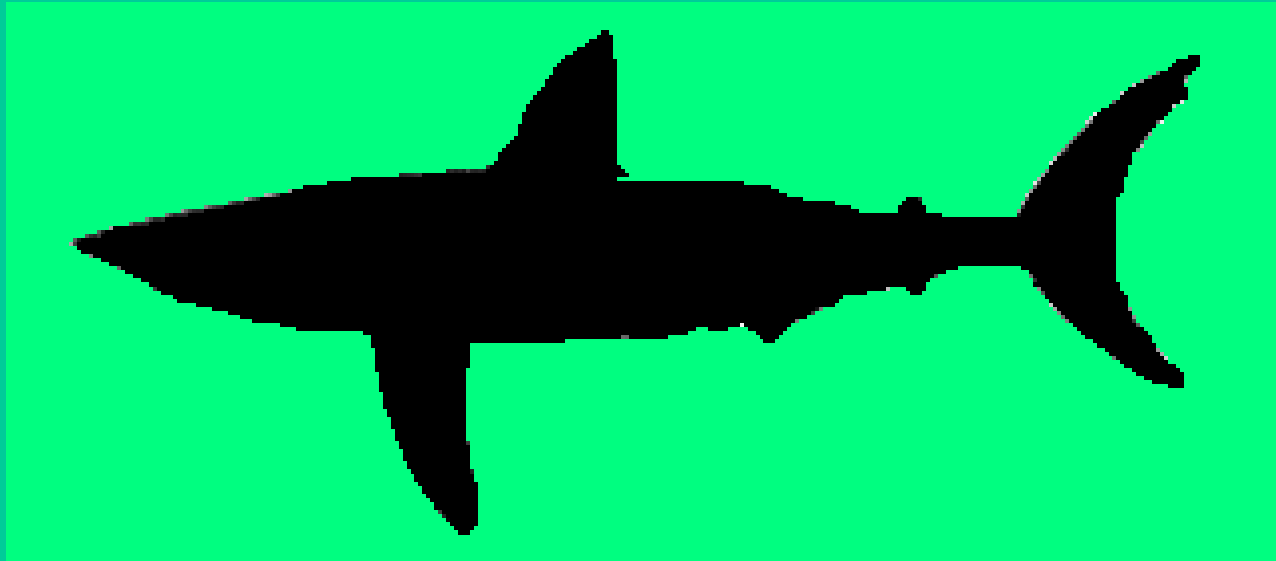


# Shark Identification

## The Mackerel sharks

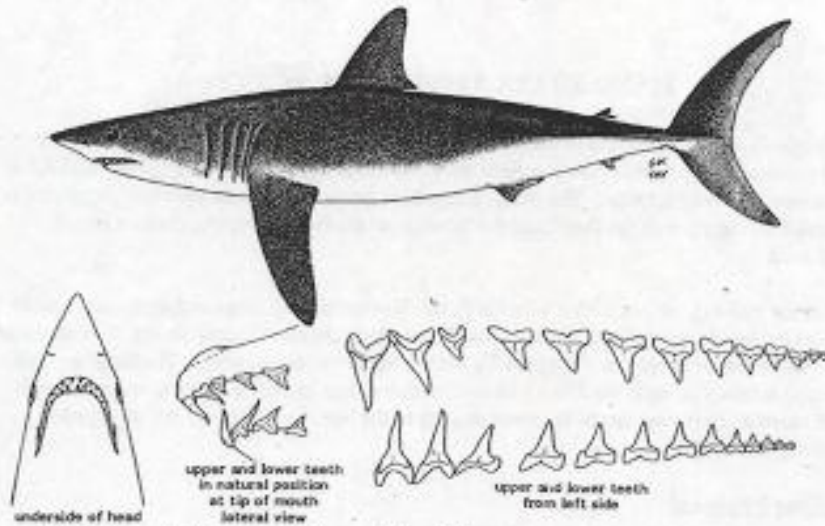


**Mackerel shark species encountered in the Hawaii pelagic longline fishery.**

**Four species of Mackerel sharks (Fam. Lamnidae) that may be encountered in the Hawaii based pelagic longline fishery.**

- Short-fin mako shark**
- Long-fin mako shark**
- Great white shark**
- Salmon shark**

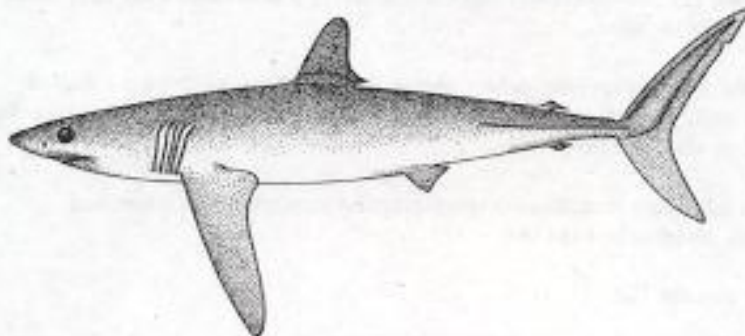
FAO Names : En - Shortfin mako; Fr - Taupo bleu; Sp - Marrajo dentado.



**Field Marks :** Spindle-shaped body, long, acutely conical snout, large blade-like teeth without cuspids or serrations, pectoral fins rather narrow-tipped and with anterior margins less than head length, large first dorsal fin and minute, pivoting second dorsal and anal fins, strong keels on caudal peduncle, no secondary keels on caudal base, crescentic caudal fin, ventral surface of body white.

**Diagnostic Features :** Body moderately slender. Snout acutely conical; eye moderately large; cups of first upper anterior teeth with incomplete cutting edges; tips of anterior teeth strongly reflexed, cups narrower and more oblique. Pectoral fins moderately long and broad, shorter than head. Colour: underside of snout white.

FAO Names : En - Longfin mako; Fr - Petit taupo; Sp - Marrajo caribe.



**Field Marks :** Slender, spindle-shaped body, moderately long conical snout, large blade-like teeth without lateral cuspids or serrations, long gill slits, pectoral fins broad-tipped and as long or longer than head, large first dorsal fin with light free rear tip, minute, pivoting second dorsal and anal fins, strong keels on caudal peduncle, short secondary keels on caudal base, crescentic caudal fin, ventral surface of body dusky on underside of head.

**Diagnostic Features :** Body slender. Snout more bluntly conical, eyes relatively large; cups of first upper anterior teeth with complete cutting edges; tips of anterior teeth not reflexed, cups broader and less oblique. Pectoral fins very long and broad-tipped, longer than head. Colour: underside of snout at least partly dusky.

## Shortfin Mako Shark

## Longfin Mako Shark





**Pointed snout.**

**Long gill slits.**

**Long exposed teeth.**





**Detail of head & snout.**





*Photo by Danny Aab. Observer, NWO Inc.*



**Body coloration: Blue, Silver, White**



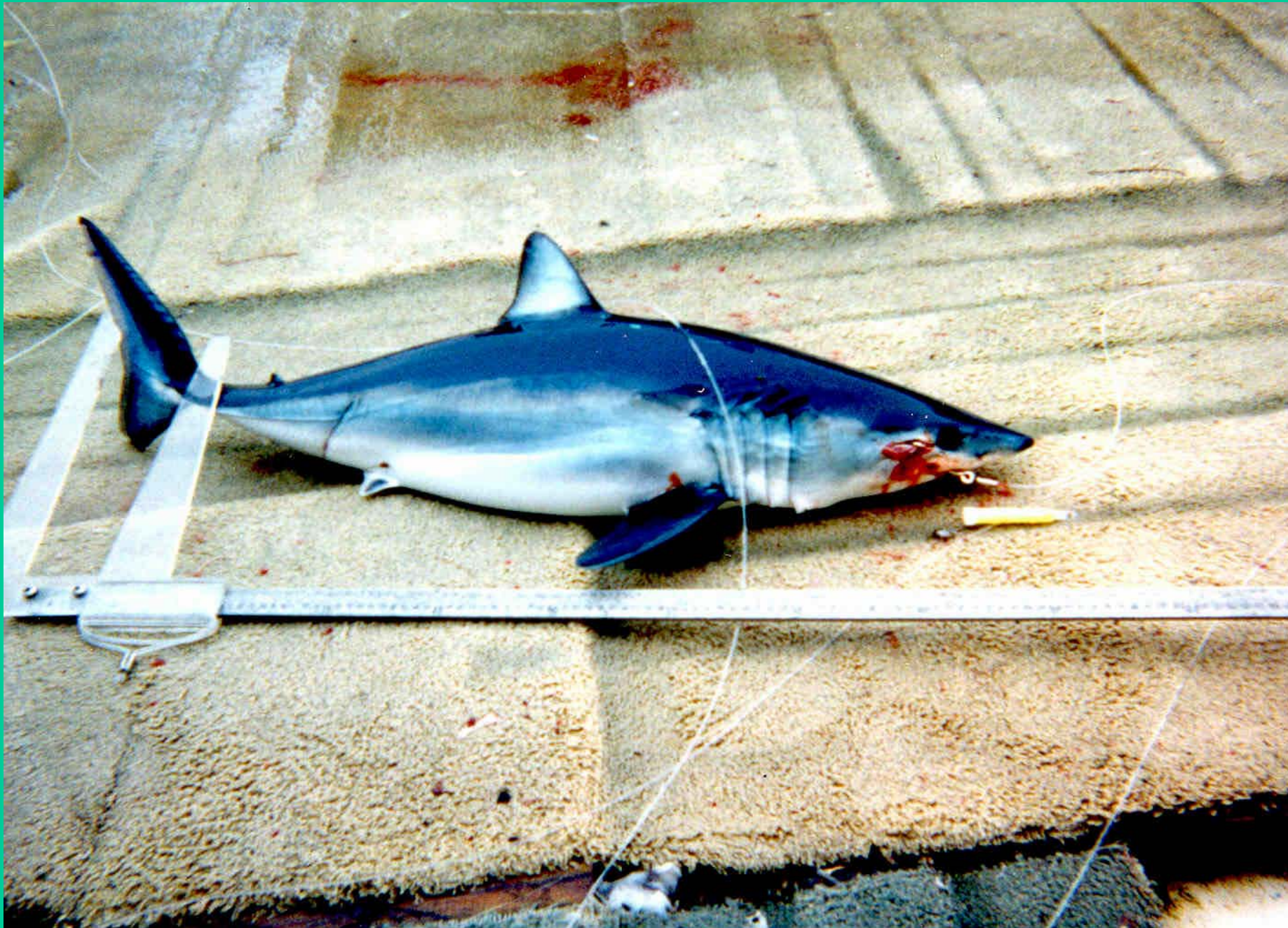


*Shortfin Makos, and Great Whites share this spot, Longfin Makos do not*













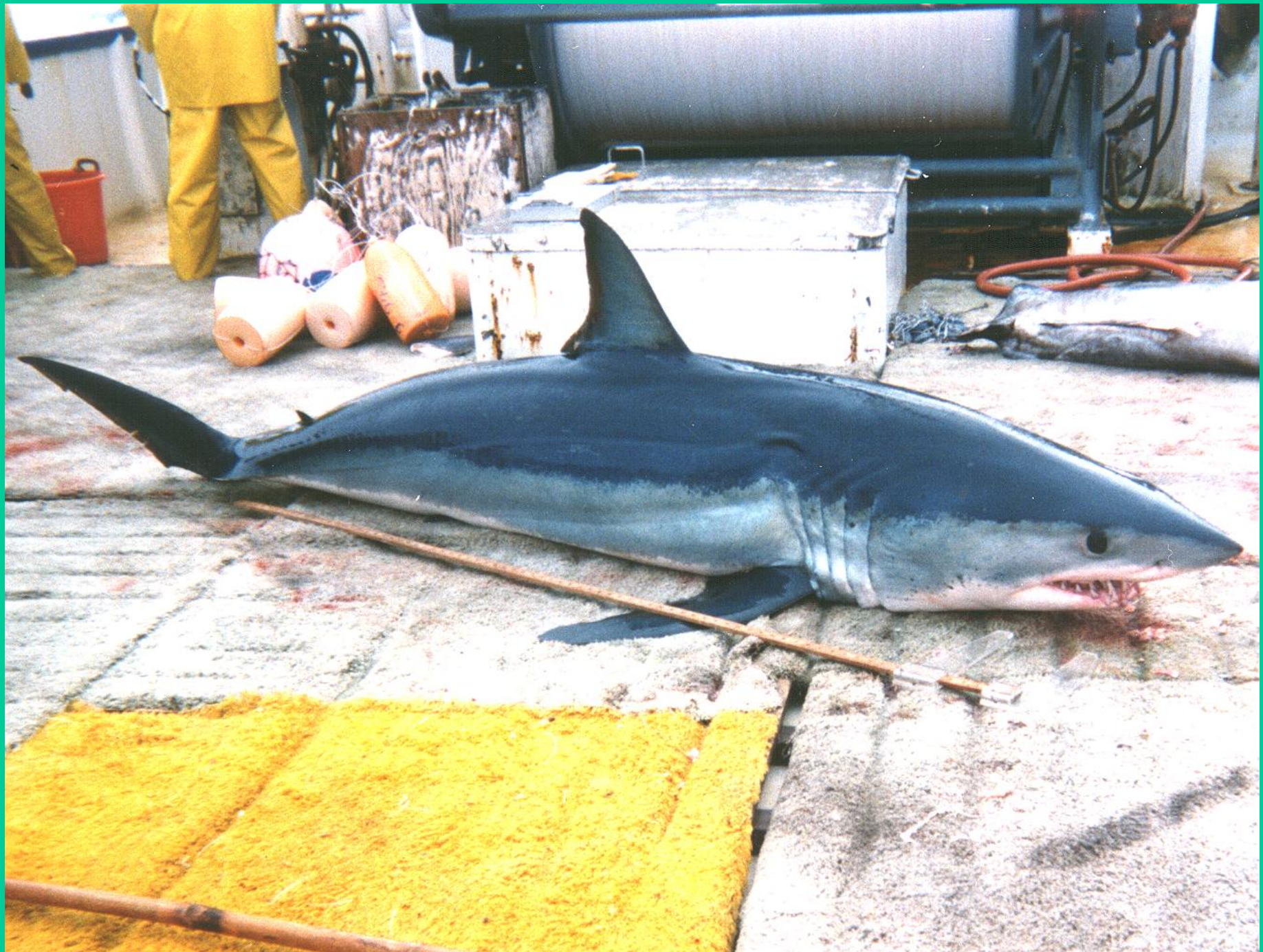




**A large Shortfin mako on a branchline. Notice the blue color & pointed snout.**

*Photograph by LLI664*





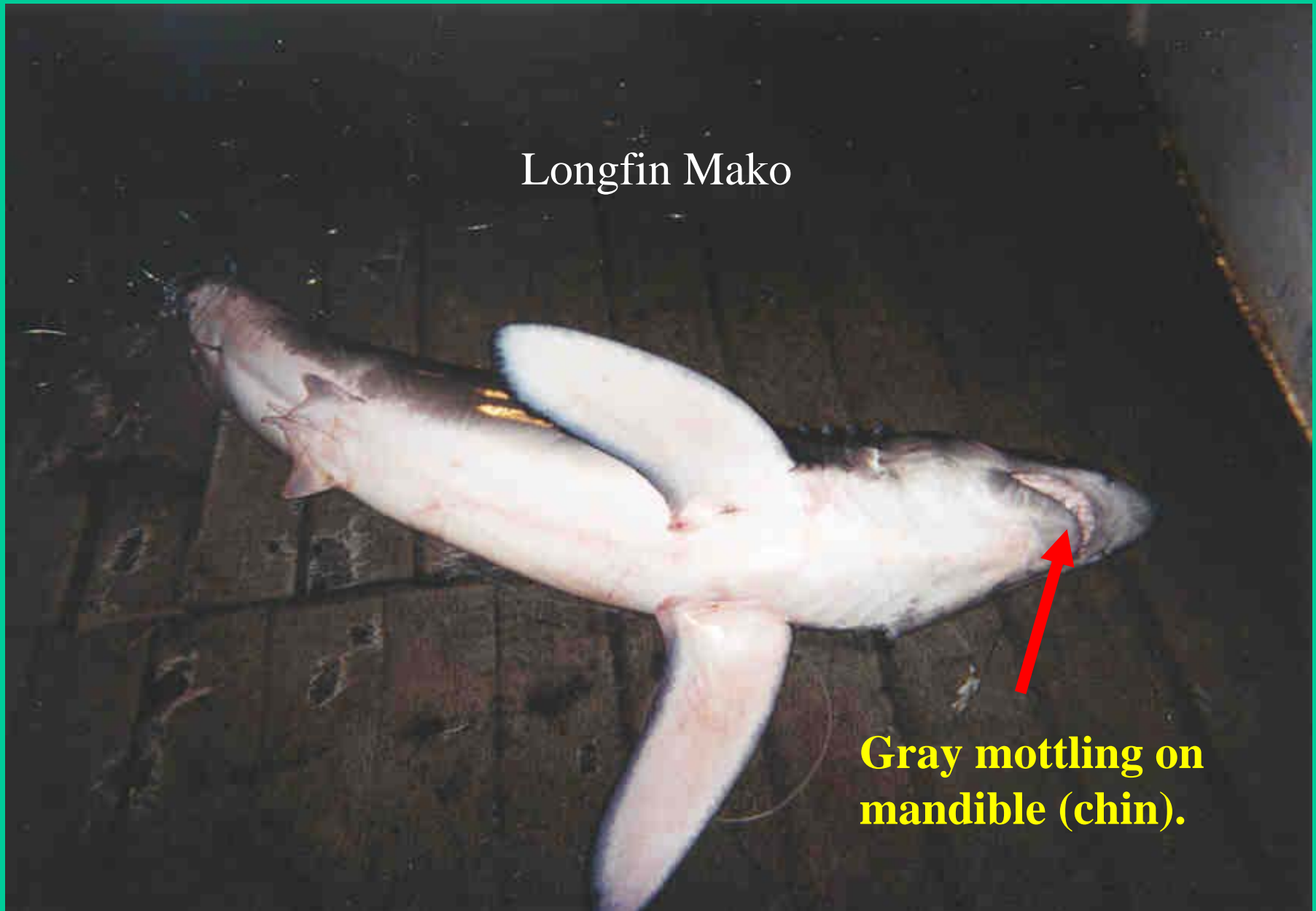




**Longfin Mako Shark**



## Longfin Mako



**Gray mottling on  
mandible (chin).**





**Slightly rounded snout.**



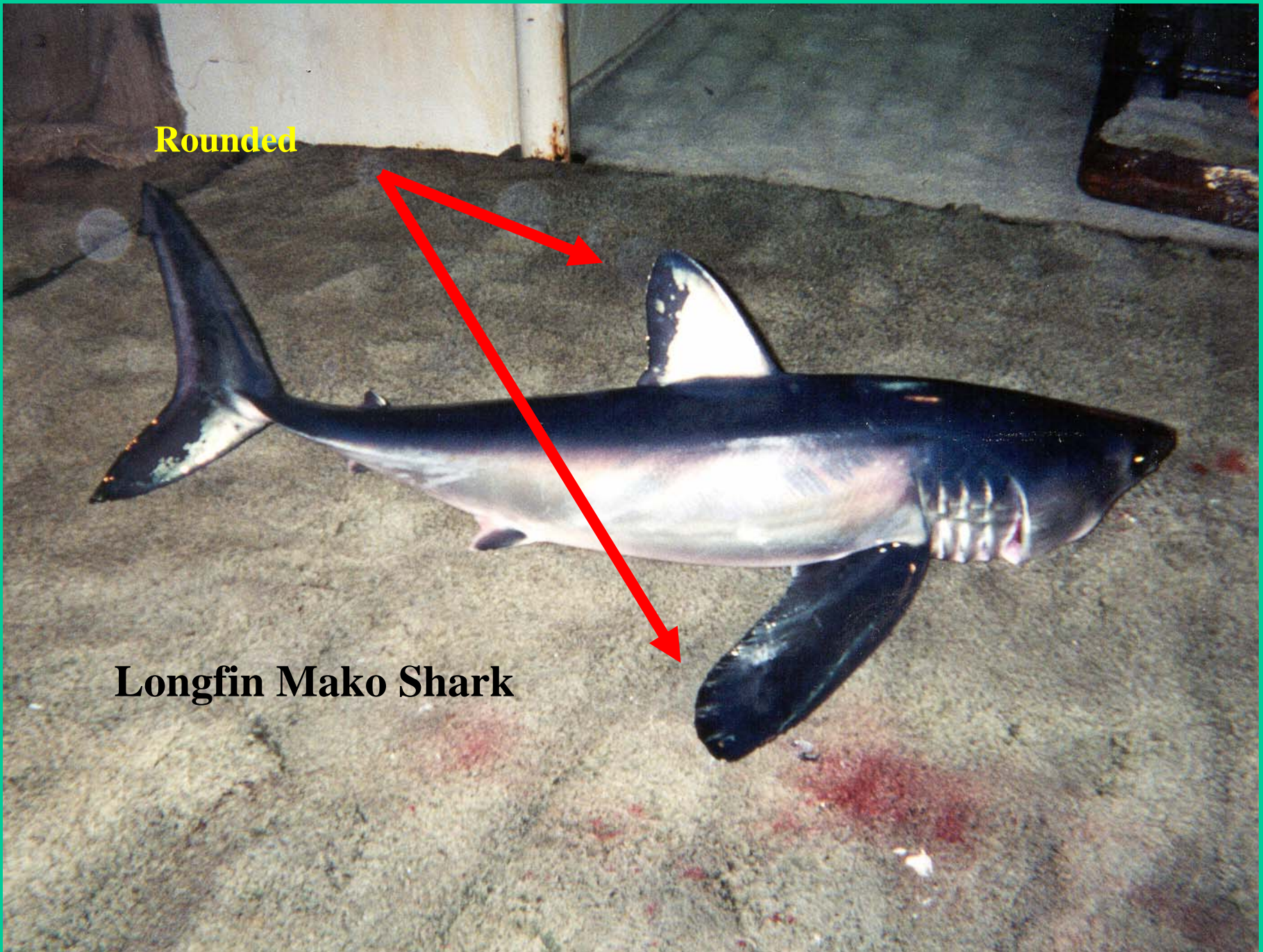


Pectoral fins long w/ rounded tips.



**Rounded**

**Longfin Mako Shark**



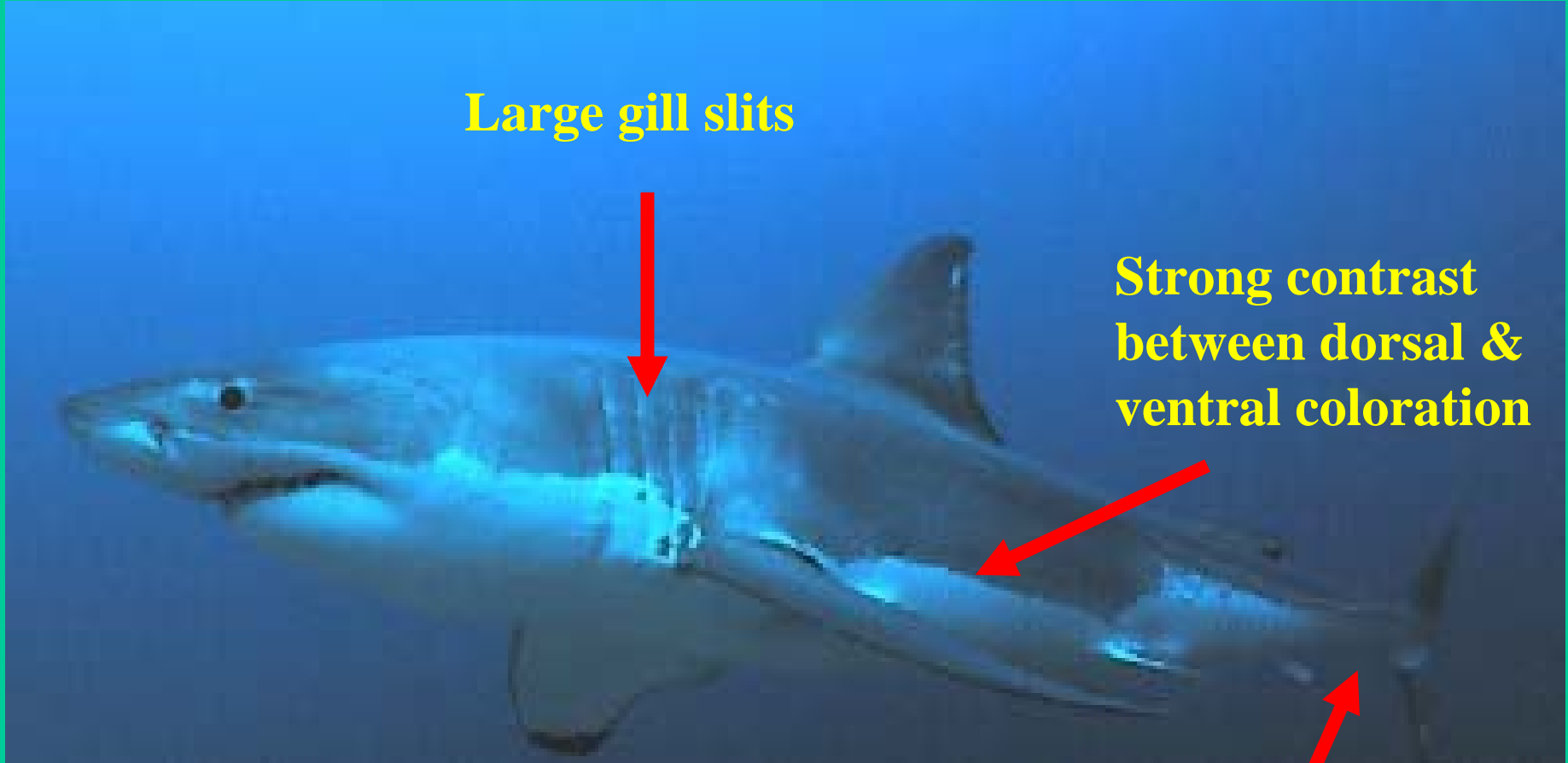
# Great White Shark

*Carchadon carcharias*

Large gill slits

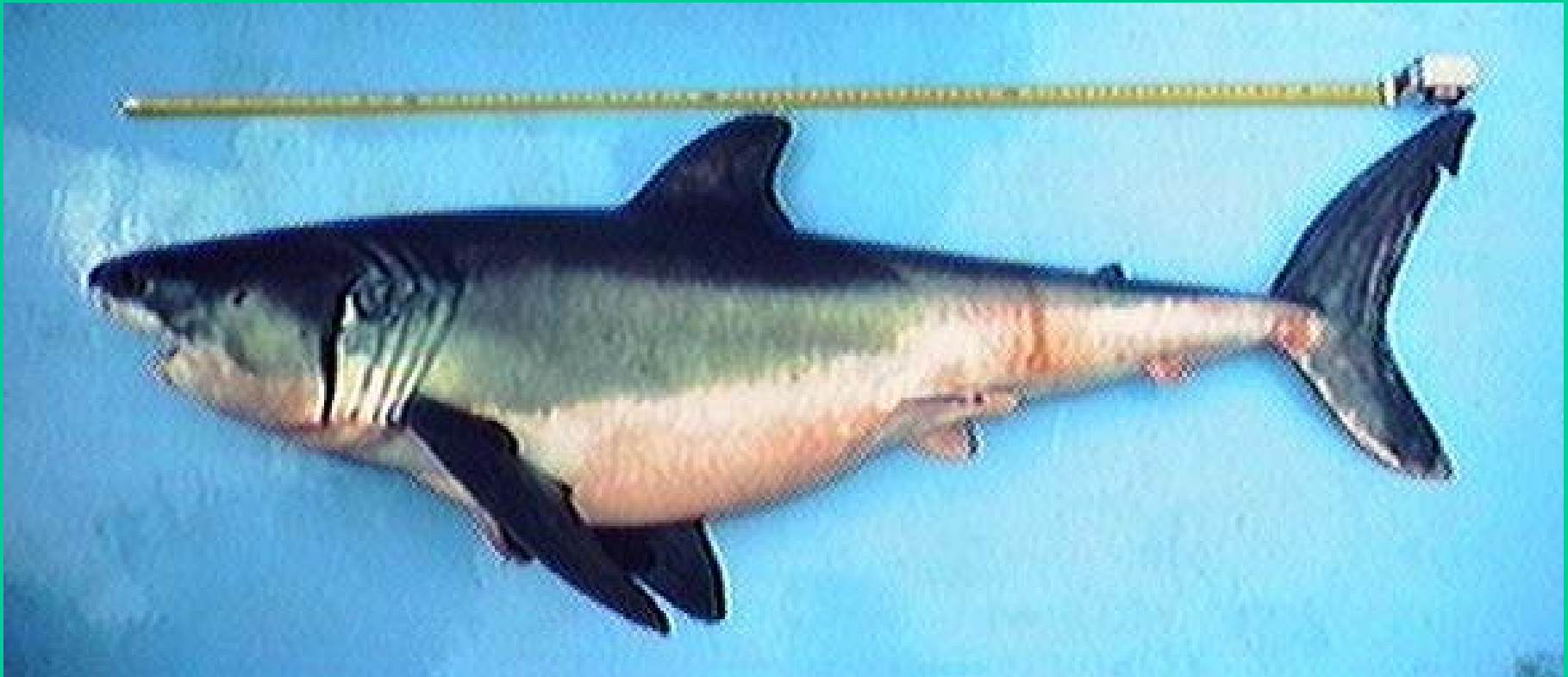
Strong contrast  
between dorsal &  
ventral coloration

Strong single keel





## Great White Shark



Great White shark, juv.







**Salmon Shark**





Photo by Dusty Marshall, Observer, NWO Inc.





*Photo by Dusty Marshall, NWO Inc., Observer*





Extensive ventral spotting



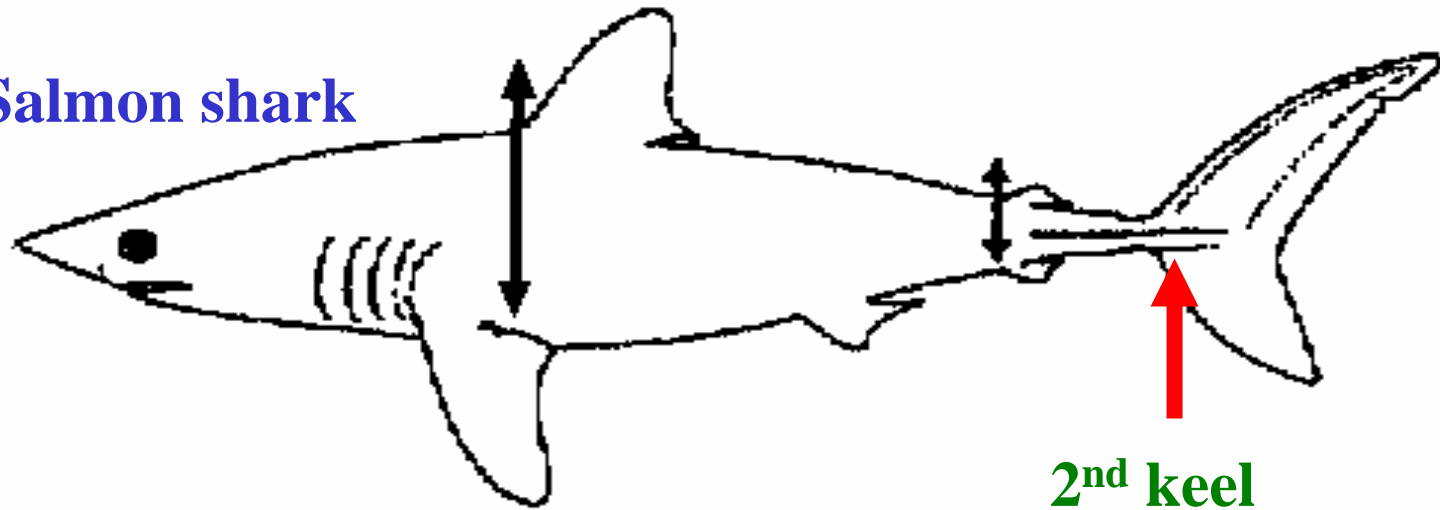






## A Comparison of Genera Lamna vs Isurus

Salmon shark



Mako shark

